Serial No. : 09/856,676 Filed : July 16, 2001

Page: 2

Complete LISTING OF ALL CLAIMS, WITH MARKINGS AND STATUS IDENTIFIERS (Currently amended claims showing deletions by strikethrough and additions by underlining)

What is claimed is:

1 (original): A compound of formula (I), $(R^2R^3) - A^7 - A^8 - A^9 - A^{10} - A^{11} - A^{12} - A^{13} - A^{14} - A^{15} - A^{16} - A^{17} - A^{18} - A^{19} - A^{20} - A^{21} - A^{22} - A^{23} - A^{24} - A^{25} - A^{26} - A^{27} - A^{28} - A^{29} - A^{30} - A^{31} - A^{32} - A^{33} - A^{34} - A^{35} - A^{36} - A^{37} - R^1$

(I)

wherein

 A^7 is L-His, Ura, Paa, Pta, D-His, Tyr, 3-Pal, 4-Pal, Hppa, Tma-His, Amp or deleted, provided that when A^7 is Ura, Paa, Pta or Hppa then R^2 and R^3 are deleted;

A⁸ is Ala, D-Ala, Aib, Acc, N-Me-Ala, N-Me-D-Ala, Arg or N-Me-Gly;

A' is Glu, N-Me-Glu, N-Me-Asp or Asp;

A¹⁰ is Gly, Acc, Ala, D-Ala, Phe or Aib;

A¹¹ is Thr or Ser;

 A^{12} is Phe, Acc, Aic, Aib, 3-Pal, 4-Pal, $\beta\text{-Nal},$ Cha, Trp or $\text{X}^1\text{-Phe};$

A¹³ is Thr or Ser;

A¹⁴ is Ser, Thr, Ala or Aib;

A¹⁵ is Asp, Ala, D-Asp or Glu;

A¹⁶ is Val, D-Val, Acc, Aib, Leu, Ile, Tle, Nle, Abu, Ala,

D-Ala, Tba or Cha;

A¹⁷ is Ser, Ala, D-Ala, Aib, Acc or Thr;

A¹⁸ is Ser, Ala, D-Ala, Aib, Acc or Thr;

 A^{19} is Tyr, D-Tyr, Cha, Phe, 3-Pal, 4-Pal, Acc, β -Nal, Amp or X^1 -Phe;

 A^{20} is Leu, Ala, Acc, Aib, Nle, Ile, Cha, Tle, Val, Phe or X^{1} -Phe;

A²¹ is Glu, Ala or Asp;

 A^{22} is Gly, Acc, Ala, D-Ala, β -Ala or Aib;

A²³ is Gln, Asp, Ala, D-Ala, Aib, Acc, Asn or Glu;

Serial No. : 09/856,676 Filed : July 16, 2001

Page: 3

A²⁴ is Ala, Aib, Val, Abu, Tle or Acc;

A²⁵ is Ala, Aib, Val, Abu, Tle, Acc, Lys, Arg, hArg, Orn,

 $HN-CH((CH_2)_n-NR^{10}R^{11})-C(O)$ or $HN-CH((CH_2)_n-X^3)-C(O)$;

A²⁶ is Lys, Ala, 3-Pal, 4-Pal, Arg, hArg, Orn, Amp,

 $HN-CH((CH_2)_n-NR^{10}R^{11})-C(O)$ or $HN-CH((CH_2)_n-X^3)-C(O)$;

A²⁷ is Glu, Ala, D-Ala or Asp;

 A^{28} is Phe, Ala, Pal, $\beta\text{-Nal},~X^1\text{-Phe},~Aic,~Acc,~Aib,~Cha~or~Trp;$

A²⁹ is Ile, Acc, Aib, Leu, Nle, Cha, Tle, Val, Abu, Ala, Tba or Phe;

A³⁰ is Ala, Aib, Acc or deleted;

 A^{31} is Trp, Ala, β -Nal, 3-Pal, 4-Pal, Phe, Acc, Aib, Cha, Amp or deleted;

A³² is Leu, Ala, Acc, Aib, Nle, Ile, Cha, Tle, Phe, X¹-Phe, Ala or deleted;

 A^{33} is Val, Acc, Aib, Leu, Ile, Tle, Nle, Cha, Ala, Phe, Abu, X^1 -Phe, Tba, Gaba or deleted;

A³⁴ is Lys, Arg, hArg, Orn, Amp, Gaba,

 $HN-CH((CH_2)_n-NR^{10}R^{11})-C(O)$, $HN-CH((CH_2)_e-X^3)-C(O)$ or deleted; A^{35} is Gly or deleted;

 A^{36} is L- or D-Arg, D- or L-Lys, D- or L-hArg, D- or L-Orn, Amp, $HN-CH((CH_2)_n-NR^{10}R^{11})-C(O)$, $HN-CH((CH_2)_e-X^3)-C(O)$ or deleted;

A³⁷ is Gly or deleted;

 X^1 for each occurrence is independently selected from the group consisting of (C_1-C_6) alkyl, OH and halo; R^1 is OH, NH_2 , (C_1-C_{12}) alkoxy, or $NH-X^2-CH_2-Z$, wherein X^2 is a (C_1-C_{12}) hydrocarbon moiety, and Z is H, OH, CO_2H or $CONH_2$;

 X^4 —N—(CH₂)_f-CH₃

 X^3 is or $-C(0)-NHR^{12}$, wherein X^4 for each occurrence is independently -C(0)-, -NH-C(0)- or $-CH_2-$, and f for each occurrence is independently an integer from 1 to 29;

Serial No. : 09/856,676 Filed : July 16, 2001

Page : 4

each of R^2 and R^3 is independently selected from the group consisting of H, (C_1-C_{30}) alkyl, (C_2-C_{30}) alkenyl, phenyl (C_1-C_{30}) alkyl, naphthyl (C_1-C_{30}) alkyl,

 $\label{eq:hydroxy} \mbox{(C_1-C_{30}) alkyl,} \qquad \qquad \mbox{hydroxy} \mbox{(C_2-C_{30}) alkenyl,}$

hydroxyphenyl(C_1-C_{30})alkyl, and

$$\label{eq:continuous} \begin{split} & \text{hydroxynaphthyl}\,(C_1-C_{30})\,\text{alkyl}\,; \quad \text{or one of } R^2 \quad \text{and } R^3 \quad \text{is} \\ & \text{C(O)}\,X^5 \quad \text{in which } X^5 \quad \text{is} \quad (C_1-C_{30})\,\text{alkyl}\,, \quad (C_2-C_{30})\,\text{alkenyl}\,, \\ & \text{phenyl}\,(C_1-C_{30})\,\text{alkyl}\,, \quad \text{naphthyl}\,(C_1-C_{30})\,\text{alkyl}\,, \end{split}$$

 $\label{eq:hydroxy} \begin{array}{ll} \text{hydroxy} (C_1 - C_{30}) \, \text{alkyl} \,, & \text{hydroxy} (C_2 - C_{30}) \, \text{alkenyl} \,, \\ \text{hydroxyphenyl} (C_1 - C_{30}) \, \text{alkyl} \,, & \text{hydroxynaphthyl} (C_1 - C_{30}) \, \text{alkyl} \,, \end{array}$

$$Y(CH_{2})_{r}-N$$
 $N-(CH_{2})_{q}SO_{2}-$ or $Y(CH_{2})_{r}-N$ $N-(CH_{2})_{q}-CO-$ (b)

where Y is H or OH, r is 0 to 4 and q is 0 to 4;

e for each occurrence is independently an integer from 1 to 4;

n for each occurrence is independently an integer from 1-5; and

 R^{10} and R^{11} for each occurrence is each independently H, (C_1-C_{30}) alkyl, (C_1-C_{30}) acyl, (C_1-C_{30}) alkylsulfonyl, $-C((NH)(NH_2))$ or

$$-C(O)-CH_2-N$$
 $N-(CH_2)_f-CH_3$

, provided that when R^{10} is

 (C_1-C_{30}) acyl, (C_1-C_{30}) alkylsulfonyl, $-C((NH)(NH_2))$ or

, R^{11} is H or (C_1-C_{30}) alkyl; and

 R^{12} is (C_1-C_{30}) alkyl;

with the proviso that:

(i) at least one amino acid of a compound of formula (I) is not the same as the native sequence of hGLP-1(7-36, or

Serial No. : 09/856,676 Filed : July 16, 2001

Page: 5

 $-37)\,\mathrm{NH_2}$ (SEQ ID NOS: 1, 2) or hGLP-1(7-36, or -37)OH (SEQ ID NOS: 3, 4);

- (ii) a compound of formula (I) is not an analogue of $hGLP-1(7-36, or -37)NH_2$ (SEQ ID NOS: 1,2) or hGLP-1(7-36, or -37)OH (SEQ ID NOS: 3, 4) wherein a single position has been substituted by Ala;
- (iii) a compound of formula (I) is not

[Lys²⁶(N^{ϵ}-alkanoyl)]hGLP-1(7-36, or -37)-E (SEQ ID NOS: 5-8),

[Lys³⁴(N^{ε}-alkanoyl)]hGLP-1(7-36, or -37)-E(SEQ ID NOS: 9-12),

[Lys^{26,34}-bis(N^{ϵ}-alkanoyl)]hGLP-1(7-36, or -37)-E (SEQ ID NOS:

13-16), $[Arg^{26}, Lys^{34}(N^{\epsilon}-alkanoyl)]hGLP-1(8-36, or -37)-E (SEQ)$

ID NOS: 17-20), or $[Arg^{26,34}, Lys^{36}(N^{\epsilon}-alkanoyl)]hGLP-1(7-36, or -37)-E, wherein E is -OH or -NH, (SEQ ID NOS: 21-24);$

- (iv) a compound of formula (I) is not
- Z-hGLP-1(7-36, or -37)-OH, Z-hGLP-1(7-36, or -37)-NH₂, where Z is selected from the group consisting of
- (a) [Arg²⁶] (SEQ ID NOS: 25-28), [Arg³⁴] (SEQ ID NOS: 29-32), [Arg^{26,34}] (SEQ ID NOS: 33-36), [Lys³⁶], [Arg²⁶, Lys³⁶] (SEQ ID NOS: 41-44), [Arg³⁴, Lys³⁶] (SEQ ID NOS: 45-46), [D-Lys³⁶], [Arg³⁶] (SEQ ID NOS: 37-40), [D-Arg³⁶] (SEQ ID NOS: 3, 4, 1, 2), [Arg^{26,34}, Lys³⁶] (SEQ ID NOS: 49-52) or [Arg^{26,36}, Lys³⁴] (SEQ ID NOS: 25-28);
- (b) [Asp²¹] (SEQ ID NOS: 53-56);
- (c) at least one of $[Aib^8]$ (SEQ ID NOS: 57-60), $[D-Ala^8]$ and $[Asp^9]$ (SEQ ID NOS: 61-64); and
- (d) [Tyr⁷] (SEQ ID NOS: 65-68), [N-acyl-His⁷] (SEQ ID NOS: 69-72), [N-alkyl-His⁷] (SEQ ID NOS: 73-76), [N-acyl-D-His⁷] or [N-alkyl-D-His⁷];
- (v) a compound of formula (I) is not a combination of any two of the substitutions listed in groups (a) to (d); and (vi) a compound of formula (I) is not [N-Me-Ala⁸]hGLP-1(8-36 or -37) (SEQ ID NOS: 77, 78), [Glu¹⁵]hGLP-1(7-36 or -37) (SEQ ID NOS: 79, 80), [Asp²¹]hGLP-1(7-36 or -37) (SEQ ID NOS: 53, 54) or [Phe³¹]hGLP-1(7-36 or -37) (SEQ ID NOS: 81, 82).

Serial No. : 09/856,676 Filed : July 16, 2001

Page: 6

2 (original): A compound according to claim 1 or a pharmaceutically acceptable salt thereof wherein A^{11} is Thr; A^{13} is Thr; A^{14} is Ser, Aib or Ala; A^{17} is Ser, Ala, Aib or

D-Ala; A^{18} is Ser, Ala, Aib or D-Ala; A^{21} is Glu or Ala; A^{23} is Glu, Glu, or Ala; and A^{27} is Glu or Ala.

3 (original): A compound according to claim 2 or a pharmaceutically acceptable salt thereof wherein A⁹ is Glu, N-Me-Glu or N-Me-Asp; A¹² is Phe, Acc or Aic; A¹⁶ is Val,

D-Val, Acc, Aib, Ala, Tle or D-Ala; A^{19} is Tyr, 3-Pal, 4-Pal or D-Tyr; A^{20} is Leu, Acc, Cha, Ala or Tle; A^{24} is Ala, Aib or Acc; A^{25} is Ala, Aib, Acc, Lys, Arg, hArg, Orn,

 $HN-CH((CH_2)_n-NH-R^{10})-C(O)$; A^{28} is Phe or Ala; A^{29} is Ile, Acc or Tle; A^{30} is Ala, Aib or deleted; A^{31} is Trp, Ala,

3-Pal, 4-Pal or deleted; A³² is Leu, Acc, Cha, Ala or deleted; A³³ is Val, Acc, Ala, Gaba, Tle or deleted.

4 (original): A compound according to claim 3 or a pharmaceutically acceptable salt thereof wherein A^8 is Ala, D-Ala, Aib, A6c, A5c, N-Me-Ala, N-Me-D-Ala or N-Me-Gly; A^{10} is Gly, Ala, D-Ala or Phe; A^{12} is Phe, A6c or A5c; A^{16} is Val, Ala, Tle, A6c, A5c or D-Val; A^{20} is Leu, A6c, A5c, Cha, Ala or Tle; A^{22} is Gly, Aib, β -Ala, L-Ala or D-Ala; A^{24} is Ala or Aib; A^{29} is Ile, A6c, A5c or Tle; A^{32} is Leu, A6c, A5c, Cha, Ala or deleted; A^{33} is Val, A6c, A5c, Ala, Gaba, Tle or deleted.

5 (original): A compound according to claim 4 or a pharmaceutically acceptable salt thereof wherein R^1 is OH or NH_2 .

6 (original): A compound according to claim 5 or a pharmaceutically acceptable salt thereof wherein R^2 is H and R^3 is (C_1-C_{30}) alkyl, (C_2-C_{30}) alkenyl, (C_1-C_{30}) acyl,

$$\text{HO-}(\text{CH}_2)_2 - \text{N} - \text{(CH}_2)_2 - \text{SO}_2 - \text{ or } \text{HO-}(\text{CH}_2)_2 - \text{N} - \text{(CH}_2)_2 - \text{C(O)- }.$$

```
Inventor : Dong, Zheng Xin et al.
Serial No. : 09/856,676
Filed : July 16, 2001
Page
        7 (original): A compound according to claim 1
 wherein said compound is
  [D-Ala^8, Ala^{17,22,23,27}, 3-Pal^{19,31}, Gaba^{34}]-GLP-1(7-34)NH_2;
  [D-Ala^{8,23,27}, 3-Pal^{19,31}] hGLP-1 (7-35) -NH_3;
  [Ala^{18,23,27}, 3-Pal^{19,31}]hGLP-1(7-35)-NH_{3} (SEQ ID NO: 83);
  [Ala^{16,23,27}, 3-Pal^{19,31}]hGLP-1(7-35)-NH_2 (SEQ ID NO: 84);
  [Ala^{14,23,27}, 3-Pal^{19,31}]hGLP-1(7-35)-NH_2 (SEQ ID NO: 85);
  [Ala^{22,23,27}, 3-Pal^{19,31}]hGLP-1(7-35)-NH, (SEQ ID NO: 86);
  [Hppa^{7}]hGLP-1(7-36)-NH, (SEQ ID NO: 87);
  [Ala^{15,23,27}, 3-Pal^{19,31}]hGLP-1(7-35)-NH_2 (SEQ ID NO: 88);
  [Ala^{17,23,27}, 3-Pal^{19,31}]hGLP-1(7-35)-NH_2 (SEQ ID NO: 89);
  [Ala^{2^2,2^3,2^7}, 3-Pal^{19,3^1}, Gaba^{3^4}]hGLP-1(7-34)-NH_2 (SEQ ID NO: 90);
  [Ala^{15,22,23,27}, 3-Pal^{19,31}, Gaba^{34}]hGLP-1(7-34)-NH, (SEQ ID NO: 91);
  [Ala^{17,22,23,27}, 3-Pal^{19,31}, Gaba^{34}]hGLP-1(7-34)-NH, (SEQ ID NO: 92);
  [Ala^{18,22,23,27}, 3-Pal^{19,31}, Gaba^{34}]hGLP-1(7-34)-NH, (SEQ ID NO: 93);
  [Ala^{21,22,23,27}, 3-Pal^{19,31}, Gaba^{34}]hGLP-1(7-34)-NH, (SEQ ID NO: 94);
  [Ala^{22,23,26,27}, 3-Pal^{19,31}, Gaba^{34}]hGLP-1(7-34)-NH, (SEQ ID NO: 95);
  [Ala^{22,23,27,32}, 3-Pal^{19,31}, Gaba^{34}]hGLP-1(7-34)-NH, (SEQ ID NO: 96);
  [Ala^{22,23,26,27}, 3-Pal^{19,31}, Gaba^{33}]hGLP-1(7-33)-NH, (SEQ ID NO: 97);
  [Ala^{22,23,27,31}, 3-Pal^{19}, Gaba^{33}]hGLP-1(7-33)-NH_2 (SEQ ID NO: 98);
  [Ala^{2^2,2^3,2^7,2^8}, 3-Pal^{19,31}, Gaba^{33}]hGLP-1(7-33)-NH_2 (SEQ ID NO: 99);
  [Ala^{22,23,27,29}, 3-Pal^{19,31}, Gaba^{33}]hGLP-1(7-33)-NH, (SEO ID NO: 100);
  [Ala^{23,27}, 3-Pal^{19,31}, Gaba^{33}]hGLP-1(7-33)-NH, (SEO ID NO: 101);
 [Ala^{20,22,23,27}, 3-Pal^{19,31}, Gaba^{33}]hGLP-1(7-33)-NH_2 (SEQ ID NO:
  [Ala^{22,23,27}, 3-Pal^{19,31}, Gaba^{33}]hGLP-1(7-33)-NH, (SEO ID NO: 103);
  [Ala^{17,22,23,27}, 3-Pal^{19,31}, Gaba^{33}]hGLP-1(7-33)-NH_{2} (SEQ ID NO:
 104);
  [D-Ala<sup>10</sup>, Ala<sup>22,23,27</sup>, 3-Pal<sup>19,31</sup>, Gaba<sup>33</sup>]hGLP-1(7-33)-NH<sub>3</sub>;
  [D-Ala^8, Ala^{17,23,27}, 3-Pal^{19,31}] hGLP-1(7-34)-NH_3;
  [Ala^{17,23,27}, 3-Pal^{19,26,31}] hGLP-1(7-34)-NH_2 (SEO ID NO: 105);
  [D-Ala^8, Ala^{17}, 3-Pal^{19,31}]hGLP-1(7-34)-NH_3;
  [Ala^{17,23,27}, 3-Pal^{19,31}] hGLP-1(7-34)-NH_2 (SEQ ID NO: 106);
 [D-Ala<sup>8</sup>, Ala<sup>17,23,27</sup>, 3-Pal<sup>19,31</sup>, Tle<sup>29</sup>]hGLP-1(7-34)-NH<sub>2</sub>;
```

```
Inventor : Dong, Zheng Xin et al.
Serial No. : 09/856,676
Filed : July 16, 2001
Filed
Page
[D-Ala^8, Ala^{17,23,27}, 3-Pal^{19,31}, Tle^{16}] hGLP-1(7-34)-NH<sub>2</sub>;
[D-Ala^8, Ala^{17,23,27}, 3-Pal^{19,31}, Gaba^{34}]hGLP-1(7-34)-NH,;
[D-Ala^{22}, Ala^{17,23,27}, 3-Pal^{19,31}, Gaba^{34}]hGLP-1(7-34)-NH_3;
[Aib^8, Ala^{17,23,27}, 3-Pal^{19,31}, Gaba^{34}]hGLP-1(7-34)-NH, (SEQ ID NO:
107);
[D-Ala^8, Ala^{17,22,23,27}, 3-Pal^{19,31}]hGLP-1(7-33)-NH_2;
[Aib^8, Ala^{17,22,23,27}, 3-Pal^{19,31}]hGLP-1(7-33)-NH, (SEQ ID NO: 108);
[Ala^{17,18,23,27}, 3-Pal^{19,31}, Gaba^{34}] hGLP-1(7-34)-NH, (SEQ ID NO:
109);
[Ala^{17,23,27}, 3-Pal^{19,31}, Tle^{33}, Gaba^{34}]hGLP-1(7-34)-NH, (SEO ID NO:
[Tle^{16}, Ala^{17,23,27}, 3-Pal^{19,31}, Gaba^{34}]hGLP-1(7-34)-NH, (SEQ ID NO:
111);
[N-Me-D-Ala^8, Ala^{17,22,23,27}, 3-Pal^{19,31}]hGLP-1(7-33)-NH_2;
[Aib<sup>8</sup>, Ala<sup>17,18,22,23,27</sup>, 3-Pal<sup>19,31</sup>] hGLP-1(7-33)-NH, (SEQ ID NO:
112);
[Ala^{17,18,22,23,27}, 3-Pal^{19,31}, Tle^{16,20}, Gaba^{34}]hGLP-1(7-34)-NH, (SEQ ID)
NO: 113);
[D-Ala<sup>8</sup>, Ala<sup>17,18,22,23,27</sup>, 3-Pal<sup>19,31</sup>, Tle<sup>16</sup>, Gaba<sup>34</sup>]hGLP-1(7-34)-NH<sub>3</sub>;
[D-Ala^{8,22}, Ala^{17,18,23,27}, 3-Pal^{19,31}, Gaba^{34}] hGLP-1(7-34)-NH<sub>2</sub>;
[D-Ala^{8,18}, Ala^{17,22,23,27}, 3-Pal^{19,31}, Gaba^{34}]hGLP-1(7-34)-NH_2;
[D-Ala^{8,17}, Ala^{18,22,23,27}, 3-Pal^{19,31}, Gaba^{34}]hGLP-1(7-34)-NH_2; or
[D-Ala^8, Ala^{17,18,22,23,27}, 3-Pal^{19,31}, Gaba^{34}]hGLP-1(7-34)-NH_3; or a
pharmaceutically acceptable salt thereof.
      8 (original):
                            A compound according to claim 1
wherein said compound is
[Aib^{8}, A6c^{32}] hGLP-1(7-36) NH, (SEQ ID NO: 114);
[A6c^{20,32}]hGLP-1(7-36)-NH, (SEQ ID NO: 115);
[Aib<sup>8</sup>]hGLP-1(7-36)-NH, (SEQ ID NO: 116);
[(Tma-His)] hGLP-1(7-36)-NH, (SEQ ID NO: 117);
[A6c<sup>8</sup>]hGLP-1(8-36)-NH, (SEQ ID NO: 118);
[A6c<sup>8</sup>]hGLP-1(7-36)-NH, (SEQ ID NO: 119);
[A6c^{16,20}]hGLP-1(7-36)-NH, (SEQ ID NO: 120);
[A6c^{29,32}]hGLP-1(7-36)-NH, (SEQ ID NO: 121);
[A6c^{20}, Aib^{24}]hGLP-1(7-36)-NH, (SEQ ID NO: 122);
```

```
Dong, Zheng Xin et al.
Inventor :
               09/856,676
Serial No. :
                  July 16, 2001
Filed
Page
[Aib^{24}, A6c^{29,32}]hGLP-1(7-36)-NH, (SEQ ID NO: 123);
[A6c^{16,29,32}]hGLP-1(7-36)-NH_{3} (SEO ID NO: 124);
[Ura<sup>7</sup>]hGLP-1(7-36)-NH, (SEQ ID NO: 125);
[Paa^{7}]hGLP-1(7-36)-NH, (SEQ ID NO: 126);
[Pta<sup>7</sup>] hGLP-1(7-36) -NH, (SEQ ID NO: 127);
[N-Me-Ala<sup>8</sup>] hGLP-1(7-36)-NH, (SEQ ID NO: 128);
[N-Me-D-Ala^{8}]hGLP-1(7-36)-NH_{3};
[N-Me-D-Ala^8]hGLP-1(8-36)-NH_3;
[N-Me-Gly^{8}]hGLP-1(7-36)-NH, (SEQ ID NO: 129);
[A5c^{8}]hGLP-1(7-36) (SEQ ID NO: 130);
[N-Me-Glu<sup>9</sup>]hGLP-1(7-36)-NH, (SEO ID NO: 131);
[A5c^8, A6c^{20,32}]hGLP-1(7-36)-NH_2 (SEQ ID NO: 132);
[Aib^{8}, A6c^{32}]hGLP-1(7-36)-NH, (SEQ ID NO: 133);
[Aib^{8,25}]hGLP-1(7-36)-NH, (SEQ ID NO: 134);
[Aib^{8,24}]hGLP-1(7-36)-NH, (SEQ ID NO: 135);
[Aib^{8,30}]hGLP-1(7-36)-NH, (SEQ ID NO: 136);
[Aib<sup>8</sup>, Cha<sup>20</sup>]hGLP-1(7-36)-NH, (SEQ ID NO: 137);
[Aib^8, Cha^{32}]hGLP-1(7-36)-NH, (SEQ ID NO: 138);
[Aib^8, Glu^{23}]hGLP-1(7-36)-NH, (SEQ ID NO: 139);
[Aib^8, A6c^{20}]hGLP-1(7-36)-NH, (SEQ ID NO: 140);
[Aib^8, A6c^{20,32}]hGLP-1(7-36)-NH_2 (SEQ ID NO: 141);
[Aib^{8,22}]hGLP-1(7-36)-NH, (SEQ ID NO: 142);
[Aib^8, \beta-Ala^{22}]hGLP-1(7-36)-NH, (SEQ ID NO: 143);
[Aib<sup>8</sup>, Lys<sup>25</sup>]hGLP-1(7-36)-NH<sub>2</sub> (SEQ ID NO: 144);
[Aib^8, A6c^{12}]hGLP-1(7-36)-NH, (SEO ID NO: 145);
[Aib^{8}, A6c^{29}] hGLP-1(7-36)-NH, (SEQ ID NO: 146);
[Aib^8, A6c^{33}]hGLP-1(7-36)-NH, (SEQ ID NO: 147);
[Aib<sup>8,14</sup>] hGLP-1(7-36) NH, (SEQ ID NO: 148);
[Aib^{8,18}]hGLP-1(7-36)NH, (SEQ ID NO: 149); or
[Aib^{8,17}]hGLP-1(7-36)NH, (SEQ ID NO: 150); or a
pharmaceutically acceptable salt thereof.
     9 (original):
                          A pharmaceutical composition
comprising an effective amount of a compound according to
```

Serial No. : 09/856,676 Filed : July 16, 2001

Page : 10

claim 1 or a pharmaceutically acceptable salt thereof and a pharmaceutically acceptable carrier or diluent.

10 (withdrawn): A method of eliciting an agonist effect from a GLP-1 receptor in a subject in need thereof which comprises administering to said subject an effective amount of a compound according to claim 1 or a pharmaceutically acceptable salt thereof.

11 (withdrawn): A method of treating a disease selected from the group consisting of Type I diabetes, Type II diabetes, obesity, glucagonomas, secretory disorders of the airway, metabolic disorder, arthritis, osteoporosis, central nervous system disease, restenosis, neurodegenerative disease, renal failure, congestive heart failure, nephrotic syndrome, cirrhosis, pulmonary edema, and hypertension, in a subject in need thereof which comprises administering to said subject an effective amount of a compound according to claim 1 or a pharmaceutically acceptable salt thereof.

12 (withdrawn): A method according to claim 11 wherein said disease is Type I diabetes or Type II diabetes.